## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/018823

	CATION OF SUBJECT MATTER  7 C22C49/14, C22C47/14, B22F3/	14, H01L23/373	
According to Int	ternational Patent Classification (IPC) or to both national	al classification and IPC	
B. FIELDS SE	EARCHED		
	nentation searched (classification system followed by cl C22C49/14, C22C47/14, B22F3/		
Jitsuyo Kokai J	itsuyo Shinan Koho 1971-2005 Ji	oroku Jitsuyo Shinan Koho tsuyo Shinan Toroku Koho	1994-2005 1996-2005
Electronic data t	pase consulted during the international search (name of	data base and, where practicable, search to	erms usea)
C. DOCUMEN	NTS CONSIDERED TO BE RELEVANT		<b>_</b>
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
X Y	JP 11-140559 A (The Furukawa Ltd.), 25 May, 1999 (25.05.99), Claims; examples (Family: none)	Electric Co.,	1-3,5,7-10 11-18
X Y	JP 51-5213 A (Hitachi, Ltd.), 16 January, 1976 (16.01.76), Page 1, lower left column, lines 4 to 13; examples (Family: none)		1-3,5,9,10 11-18
X Y	JP 4-19430 A (Akebono Resear Center Ltd.), 23 January, 1992 (23.01.92), Claims; examples (Family: none)	ch and Development	1-4,6 11-18
× Further do	ocuments are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents:     document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is		"X" document of particular relevance; the c considered novel or cannot be considered when the document is taken alone	ered to involve an inventive
cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is	
"O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		combined with one or more other such being obvious to a person skilled in the "&" document member of the same patent for the s	art
Date of the actual completion of the international search 08 March, 2005 (08.03.05)		Date of mailing of the international search report 22 March, 2005 (22.03.05)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
Facsimile No.	0 (second sheet) (January 2004)	Telephone No.	
	- (Jeegens bilook) (smilam) 2007)		

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 58-91141 A (Nippon Soken, Inc.), 31 May, 1983 (31.05.83), Claims; examples & US 4500360 A1	1-4 11-18
X Y	JP 52-18411 A (Komatsu Ltd.), 12 February, 1977 (12.02.77), Claims; examples (Family: none)	1-4 11-18
X Y	JP 50-140307 A (Honda Motor Co., Ltd.), 11 November, 1975 (11.11.75), Claims; page 2, upper right column, lines 7 to 15; examples (Family: none)	1-4,7
X Y	JP 51-47508 A (Honda Motor Co., Ltd.), 23 April, 1976 (23.04.76), Claims; page 2, upper left column, line 13 to upper right column, line 1; page 3, lower right column, lines 3 to 8 (Family: none)	1-4,7 11-18
X Y	JP 44-17007 B (Japax Inc.), 28 July, 1969 (28.07.69), Claims; column 2, line 11 to column 3, line 7; examples; column 7, lines 1 to 6 (Family: none)	1-7 11-18
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